NORTEL NETWORKS

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OTM-DECT Addendum

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Introduction

- This document is an addendum to the DECT NTPs.
- This information will be incorporated into the next issue of the DECT NTPs.

Password Change Information

This information relates to MP14860 (closed with docs changes)

- DECT Access System Control
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DECT Access System access control

The DECT Access System controls access to its resources with a periodic challenge-handshake service, based on a private key, or password. The DECT Manager records the password and the handshake occurs without interaction with the DECT Manager user.The DECT Manager reports to the user that the authentication failed when the user initiates the connection, through a Dialog and through the connection status (“Authentication Failure”, see). It is also possible that the password is changed by another DECT Manager while a DECT Manager is already connected. In that case, the connected DECT Manager authentication handshake will fail and the connection status indicates the failure.

The initial password is hard-coded in the DECT Access System and the DECT Manager. The password of a DECT Access System can be changed with the DECT Manager: a new password is entered and confirmed by the user. The new password is not shown. The old password is required to change the password. With the DECT Manager, it is possible to change the password in the DECT Manager context in a first step, and then to update the DECT Access System itself with the new password in a second step. The ability to change the password on the DECT Manager, and not on the DECT Access System, is necessary when the password has been changed with another DECT Manager.

DECT Access System access control

When the password is changed, it is good practice to perform a back up of the DECT Access System.

Password Recovery

If the DECT Access System password in the database is lost, or is damaged (disk crash) and it has not been backed up, the DECT Access System and DECT Manager provide a backdoor mechanism to reset the password.

On the DECT Manager, the user resets the password to the factory password. When the password is changed to the factory password, the DECT Manager does not prompt the user for the old password and does not connect to the DECT Access System.

At that point, the password is not changed yet on the DECT Access System.

The board to which the DECT Manager is connected is unplugged from the DECT Access System and then plugged back.

The DECT Manager user has five minutes to connect to the DECT Access System and change the password to a new password, with the DECT Manager.

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Password changes

The default password on a DMC(8) card is "Arsenal", the default password on a system in OTM-DECT is also "Arsenal". So in the normal scenario, there should not be any problem with connecting to a DECT relay card.

However, if the password on a DECT relay card is changed to "New_Password", then attempting to connect with a system on OTM-DECT which still has the default "Arsenal" password will not succeed. If the relay card is re-booted, it will accept the old default password (as well as "New_Password") for five minutes and after five minutes will just accept "New_Password" as the valid password.

The solution is:

(1) Ensure the password on the system in OTM-DECT is the default "Arsenal" password by

- **(a) Highlight the DECT system in the "DECT Systems Window" dialog box**
- **(b) Select File --> Properties**
- **(c) The DECT System Properties dialog box appears, select Change Password.**
- **(d) Enter "Arsenal" for old password, new password and Confirm new password. Note: Select the option "Do not change password on the DECT system".**

Password changes cont'd

(e) Select OK

(f) Select OK .

(2) Remove and insert the DECT relay card.

(3) Connect to the DECT system.

(4) Change the password on the DECT system to the default "Arsenal" password by

(a) Highlight the DECT system in the "DECT Systems Window" dialog box

(b) Select File --> Properties

(c) The DECT System Properties dialog box appears, select Change Password.

(d) Enter "Arsenal" for old password, new password and Confirm new password. Note: DO NOT select the option "Do not change password on the DECT system".

(e) Select OK

(f) Select OK . At this stage the password on OTM-DECT and the DECT system should be the default "Arsenal" password and the problem should be resolved.

Gotchas

1) Always assign an address other than the default IP address and make sure its unique.
2) For serial connection - where you have an OTM server Ethernet interface on the same subnet as the RAS IP address is - any attempt to route packets to the DECT system in this scenario will fail as the IP packets will generally go through the Ethernet interface.
3) Always be careful with passwords.
4) On a DMC8, you are prevented from connecting serially if the DME is on the DMC8. It is a hardware restraint to prevent people trying to connect serially and over the Ethernet at the same time.
5) There are jumpers setting on the backplane side of the DMC8 (beside the power supply) these are for switching between V24 and Ethernet over the backplane. They should be in the V24 position.

Verisign Certificate Information

This information relates to MP14754 (closed with docs changes)

If users use MS Internet Explorer 5.0 on NT 4.0 Workstation, Server, Windows 9x platforms, users need to import the Verisign Class 3 certification into the client authentication repository:

Run OTM-DECT on server side by Web Browser, we have to enter the URL like: <http://servername/admin>, not http://localhost/admin

1) Pls check the JRE version on both server and client sides, OTM1.10.50a uses JRE 1.2.2-006. To check that, open Command Prompt Window, type java –version

2) Before running OTM-DECT on Web client, type a URL like: <http://servername/omdect/VeriSignCertificates.html>, click into "VeriSign Class 3 Certificates" link, IE asks to save 'VeriSignClass3CA.p7b' file then. Pls save that file to the local PC, then right click on that file and select "Install Certificate" item on the pop-up menu to import the certificate. The wizard comes up, just click "Next" button until finish.

3) Now connect to server using WEB CLIENT, and login.

4) Launch OTM DECT, and all should be OK.

DECT Conc, TNs not deleted

This information relates to MP14855 (closed with docs changes)

To remove configured sets (TRN status) that do not exist on switch :

1) Select the TNs to be deleted
2) Go to edit/Global update
3) Select the sync status SSTAT
4) Set the Old Value to the current status and set the New Value to NEW
5) Now that the TNs are set to a status of NEW they can be deleted without them being on the switch

Serial Connectivity set-up with W2000

This information relates to MP14854, MP14963 (closed with docs changes)

- Procedure to set-up serial connection using W2000

Procedure to set-up serial connection using W2000

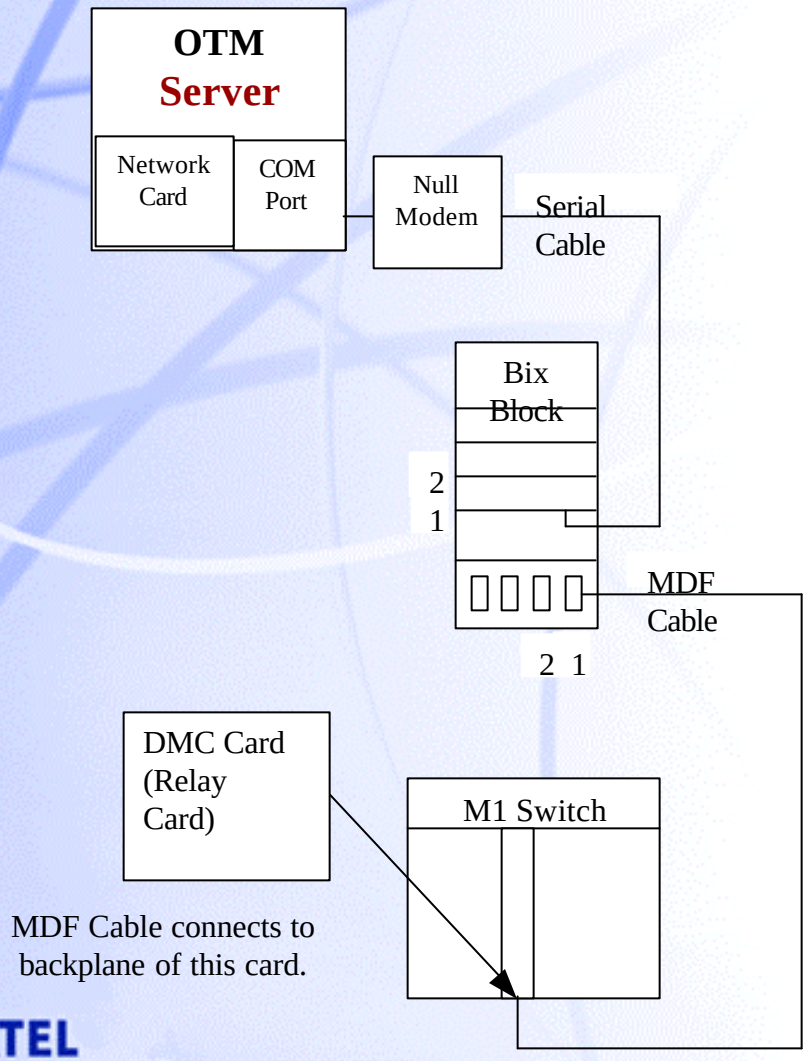
1. **System Configuration:**
   - Switch: 61C
   - Release: 25
   - DMC8 Card: 192.168.100.35 using COM 2 port on PC.
   - TN: 4 0 1
   - Windows 2000 Professional.
   - OTM 1.20.10 supporting OTM-DECT.
2. **System Overview - V24 configuration**

   For the OTM-DECT Manager to communicate over PPP with the DECT system, RAS service needs to be configured for dial out using the appropriate modem (see “Dial – Up Configuration”). Note that the DECT system can communicate directly over modem to a remote OTM-DECT manager also.

   {Note that the Back-end process must be visible to get a connection. See attached process : Launch OTM-DECT backend. If the back-end is closed, in error, OTM-DECT will not run}

Procedure to set-up serial connection using W2000

3. Diagram of hardware configuration:



Procedure to set-up serial connection using W2000

4. Dial - Up configuration:

- Select Control Panel -> Phone And Modem Options:
- Click “Add…”:
- Choose check box and click “Next”:
- Install a new modem of **Standard Modem type** in Manufactures list box -
- **Communications cable between two computers** in Model list box and click “Next” button:
- **Note:** This step is only required if there is no Ethernet connectivity to the relay card (i.e. DMC relay card)
- Choose a COM port that your PC supports, for example, choose COM2 as described in System Configuration part, click “Next”:
- Click “Finish” button:
- Once installed, the properties of the modem need to be configured in order to interface serially to the DECT system

Procedure to set-up serial connection using W2000

4. Dial - Up configuration continued:

- Click “Properties”:
- Choose Maximum speed is exactly **38400**, click “Advanced” tab:
- Click “Change Default Preferences”:
- Choose “None” in Flow control list box, and then click “Advanced”:
- Set the Data/Parity/Stop bits to 8/None/1 respectively, then click OK to quit Modem configuration.

5. Network and Dial-up Connections configuration:

- Control Panel -> Network and Dial-up Connections:
- Click “Make New Connection”:
- Click “Next”:
- You must ensure that the NetBios Interface Service is installed, otherwise there will be no PPP protocols configured on the RAS ports.
- Click “Close” and Restart PC.

Procedure to set-up serial connection using W2000

6. DECT Access System (DAS) configuration:

- In OTM – DECT, add a new DAS
- Choose Communication tab:
- Enter IP address of this DMC8 Card (192.168.100.35), choose Serial and click “Details…”:
- Choose COM port which DAS is connected to PC, we choose COM2 as described in System Configuration part, then enter IP address of OTM Server (192.168.100.179) in OTM Server IP Interface field.
- **Note:** IP address of this DMC8 Card and IP address of OTM Server must have the same Subnet mask, for example:
- 192.168.100.35 (DMC8’s IP address)
- 192.168.100.179 (OTM Server’s IP address).

Standalone set-up

This is a reminder that standalone is only supported in Windows 2000 and Windows NT. For PC requirements please refer to the General Release Bulletin, issued by Karen Latorre and Eamonn Noone.

Deinstallation of sentinel driver

This information relates to MP14472 (closed with docs changes)

The OEM DECT manager de-installs the sentinel driver when the OEM DECT manager is de-installed. This is done whether or not any other applications are using that driver. This can not be changed.

A workaround for this problem is installing the Sentinel driver again manually. The driver can be found on:

http://www.rainbow.com/tech/download.html

http://www.rainbow.com/tech/files/SystemDrivers/Driver/RainbowSSD5.39.2.exe